

perceived health and safety reasons. These local ordinances thus may place significant restrictions on system design for PCS operations. A licensee should be sure, before proceeding with system design planning, that it understands the governing requirements and procedures for obtaining necessary permits for the installation of antennas and tower facilities.

## **G. Privacy Considerations**

### **1. Protecting Subscriber Privacy**

Federal statutes impose various obligations and requirements on the providers of wireless telecommunications services with respect to the privacy of customers' communications. Initially, it should be noted that federal laws specifically protect cellular telephone transmissions from unauthorized, intentional interception and disclosure. Because the laws predated the launch of PCS, neither the statutory language nor the associated legislative history specifically discuss this class of services. By analogy, however, the requirements and prohibitions governing cellular operations likewise should be applicable to PCS providers. Thus, violation of the limitation on interception and disclosure may lead either to civil or criminal penalties.

There are, however, a number of exceptions that permit otherwise prohibited interceptions in certain limited circumstances. These exceptions include:

- *Consent exception.* Where one of the parties has consented, the communication may be intercepted.

- ***Governmental request exception.*** Communications service providers may provide information, facilities, and/or technical assistance to investigative and law enforcement officers seeking to intercept otherwise protected communications when presented with: (1) a court order directing such assistance signed by an authorizing judge; or (2) a certification in writing by the Attorney General or other authorized person stating that no warrant or court order is required by law, that all statutory requirements have been met, and that the specified assistance is required. The service provider may not disclose the existence of any such interception or surveillance, except as required by the legal process and only after prior notification to the Attorney General or principal prosecuting attorney of the appropriate state.
- ***Service provider exception.*** A service provider may intercept calls as necessary for the purpose of rendering service or protecting the rights and property of the service provider. Thus, a PCS provider could intercept communications in the course of business to ensure the quality of service to its customers or in order to prevent fraudulent use of its facilities. The service provider, however, is specifically prevented from utilizing service observing or random monitoring except for mechanical or service quality control checks.
- ***Interference exception.*** Interception necessary to identify the source of interference to radio operations or consumer electronic equipment is permissible.

There are also special procedures applicable to the lawful installation or use of a "pen register" or a "trap and trace device." A pen register includes any device that, when attached to a telephone line, can record the electronic impulses identifying the number dialed on that line. A trap and trace device is a device that captures the incoming impulses that identify the originating number from which a communication was transmitted. In general, such devices may not be installed or used without first obtaining a court order. This prohibition does not apply, however, to service providers in the following three circumstances: (1) for the operation, maintenance, or testing of service, or protection of the service provider's property rights, or the protection of users from unlawful or abusive use of service; (2) to record the fact that a communication was initiated or terminated in order to

protect a service provider or user from unlawful or abusive use of service; or (3) where the consent of the user has been obtained.

While federal law protects an individual's privacy in the content of a conversation, there are few restrictions on a service provider's disclosure of call records and other subscriber information. Thus, a carrier may disclose telephone toll or transaction records or other information relating to a subscriber to any person except a governmental entity.

## **2. Assistance to Law Enforcement**

Upon request, a service provider must provide information, facilities, and technical assistance to an investigative or law enforcement officer who has been issued a court order mandating interception or authorizing the installation and use of a pen register or trap and trace device. A specifically designated investigative or law enforcement officer also may intercept communications or install and use tracing devices without first obtaining a court order where an emergency situation exists involving immediate danger of serious bodily injury to any person, conspiratorial activities threatening the national security, or conspiratorial activities characteristic of organized crime, as long as an application for a court order is sought within 48 hours. A service provider may or may not be entitled to compensation for expenses incurred in complying with a court order or emergency request, depending upon when the equipment was installed or last modified.<sup>48</sup>

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<sup>48</sup> Under the terms of the *Communications Assistance for Law Enforcement Act* ["CALEA"], the government is required to pay for reasonable modifications necessary for call interception for equipment installed prior to January 1, 1995. For equipment installed or modified after January 1, 1995, the extent of reimbursement depends upon the FCC's determinations as to the reasonableness of complying with CALEA. At this time, the FCC has not commenced the necessary rulemaking proceeding to define what constitutes reasonable compliance with CALEA for PCS or other mobile service providers.

A service provider must disclose specified subscriber information and call records to a governmental entity pursuant to a request made in one of the following documents:

(1) under certain circumstances, an administrative subpoena authorized by a federal or state statute;<sup>49</sup> (2) a warrant issued pursuant to federal or state law; (3) a court order based upon a finding that the records are relevant to a legitimate law enforcement inquiry; (4) the consent of the subscriber; or (5) a special certification by the FBI seeking subscriber information that is relevant to an authorized foreign counterintelligence investigation.

Disclosure of such information to the government is permissible *only* under the enumerated circumstances. If subscriber information is disclosed to the government outside of such circumstances, a carrier may be liable to the customer for violations of the privacy laws.

In general, the government must reimburse service providers for the reasonable costs of producing requested subscriber information. A service provider will not, however, be reimbursed for producing records or other information maintained by the provider that relate to telephone toll records and telephone listings, unless production of such records would impose an undue burden on the provider. In the event that a government request for subscriber information is made by court order and compliance with the request would cause the service provider an undue burden (*e.g.*, production of voluminous records), the service provider may request that the issuing court quash or modify the order.

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<sup>49</sup> Administrative agencies' subpoena power is more limited than the power of a court issuing a warrant. See generally 18 U.S.C. § 2703 (as amended by H.R.4922, 103rd Cong., 2nd Sess.).

## **H. Resale of Interstate and International Communications**

Section VII(B)(2), above, explained that cellular carriers may not unreasonably restrict resale of their services, and that the Commission is considering whether to extend a similar resale obligation to all CMRS providers, including PCS carriers. The cellular resale requirement derives from the Commission's longstanding prohibition against restrictions on resale of other services within its jurisdiction. This general policy favoring resale gives PCS carriers the ability to expand their service offerings by providing resold interstate or international services to their customers.

This section of the handbook explains the regulatory requirements imposed on PCS providers that resell interstate and international communications services. Resellers are considered common carriers. Accordingly, they are subject to the general obligations imposed by Title II of the Communications Act, except to the extent that CMRS providers have been exempted from complying with those requirements. For example, PCS providers that resell interstate or international services must provide service at just, reasonable, and non-discriminatory rates, are subject to the complaint process, and must act in accordance with the various consumer protection provisions contained in Title II.

In addition, as discussed below, certain entry, tariffing, and reporting obligations may be imposed on resellers. In general, these requirements are minimal for PCS providers that resell domestic interstate services, but are more significant for resellers of international services.

## 1. Resale of Interstate Services

*Entry requirements.* There is no entry regulation for resellers of domestic intrastate services. Accordingly, a PCS provider wishing to resell such services need not file an application with the FCC seeking authority to do so.

*Tariffing.* Under Section 20.17(b) of the FCC's rules, a PCS provider reselling domestic interstate services to its customers as part of its general CMRS offering would not be required or permitted to file tariffs for those services. For example, a PCS provider that provides long distance calling capability to its subscribers by reselling the services of an interexchange carriers would not tariff the long distance portion of its offering. However, if a PCS provider also operated a separate business as a long distance reseller (*e.g.*, marketing long distance services for use in connection with landline telephones), it would have to file a tariff for its resold long distance offerings. In general, tariffs for resold domestic long distance services may contain reasonable ranges of rates, may be filed on one day's notice, and must be accompanied by the appropriate fee.<sup>50</sup>

In addition, under current FCC policies, a PCS provider offering "operator services," such as credit card phones in rental cars, would have to tariff resold long distance services used in conjunction with those offerings. Moreover, if there is a possibility that an entity, whether affiliated or not, would use a PCS provider's resold interstate services to provide operator services, then the FCC's existing rules apparently would require the PCS provider to tariff its resold services.

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<sup>50</sup> See 47 C.F.R. §§ 61.20-61.23.

*Reporting requirements.* PCS providers that resell domestic interstate services do not become subject to additional reporting requirements simply by virtue of being resellers.

## **2. Resale of International Services**

*Entry regulation.* In contrast to resale of domestic interstate services, prior FCC approval is required for resale of international services.<sup>51</sup> An application must be filed that contains, *inter alia*, information about the applicant, a description of the applicant's facilities (which is greatly simplified in the case of resale, since capacity will be obtained from an already-certificated carrier), the type of services to be resold and the name and relevant tariff reference of the underlying facilities-based carrier, and a statement as to whether the applicant is affiliated with a foreign carrier or with the domestic carrier whose services are being resold.<sup>52</sup>

Most applications for international resale authority are subject to streamlined treatment, meaning that they are automatically granted 45 days after the date of the public notice listing the application as accepted for filing. In general, applications to resell switched services are subject to such treatment, unless the reseller is affiliated with the carrier whose facilities are being resold. (Affiliation, for this purpose, is defined as a direct or indirect

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<sup>51</sup> See 47 C.F.R. §§ 20.17(c), 63.01, 63.12, and 63.15. It might be contended that the Commission exempted CMRS providers from having to apply for authority to provide international resale; Section 20.17(b)(4) states that CMRS providers are not required to "[s]ubmit applications for new facilities or discontinuance of existing facilities" under Section 214 of the Act. The text of the *CMRS Second R&O*, however, notes that the Commission declined to act on a suggestion that it propose forbearance for international CMRS. 9 FCC Rcd at 1481 n.369. Consequently, forbearance from Section 214-related requirements apparently applies only to domestic CMRS.

<sup>52</sup> 47 C.F.R. § 63.01.

controlling relationship.) Applications to resell private line services are less likely to enjoy streamlined treatment, particularly if the applicant is affiliated with a foreign carrier or the applicant seeks authority to resell international private lines to a country for which the Commission has not determined that "equivalent resale opportunities" exist between the U.S. and the destination country.<sup>53</sup> *In light of the complexity of the Commission's rules in this area, PCS providers wishing to resell international services (either switched or private line) are advised to consult telecommunications counsel.*

*Tariffing.* Unlike PCS providers that resell domestic interstate services to their subscribers, PCS providers that resell international services must file tariffs for those offerings. Tariffs of international resellers are presumed reasonable and need not be accompanied by cost support. However, they must be filed on 14 days' notice, filed on both diskette and paper, and accompanied by the appropriate filing fee and fee form.<sup>54</sup>

*Reporting requirements.* Under Section 43.61 of the FCC's Rules, providers of international telecommunications services, including resellers, generally must file an annual report including actual traffic and revenue data for every international service provided, divided among service billed in the U.S., service billed outside the U.S., and service transiting the U.S. Apparently, however, the FCC has exempted CMRS providers that offer international services from complying with this requirement.<sup>55</sup>

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<sup>53</sup> See 47 C.F.R. § 63.12.

<sup>54</sup> See 47 C.F.R. §§ 61.20, 61.58(b).

<sup>55</sup> See 47 C.F.R. § 20.17(b)(2) (exempting CMRS providers from reporting requirements generally and from Sections 1.781-1.814 of the FCC's rules specifically; Section 1.790 implements the international traffic reporting requirement).



## **I. Reporting Requirements and Regulatory Fees**

PCS licensees apparently will be subject to the same reporting requirements imposed on other CMRS operators. First, the licensees will need to submit FCC Form 395 annually to the Commission. This form reflects compliance with FCC-imposed equal employment obligations. Carriers with more than sixteen employees must answer questions about employee categories, and submit this information to the FCC by May 31 of each year.

PCS licensees that also are licensees of common carrier microwave facilities must file FCC Form 430 on an annual basis each March 31. This form includes information about a licensee's ownership and other radio authorizations it holds.

Finally, the FCC has, at the direction of Congress, instituted annual regulatory fee filings for radio station licensees and other entities regulated by the FCC. These fees are meant to reimburse the Commission for its overall regulatory activities at they related to a particular entity. The first set of fee filings, covering radio licenses issued as of October 1, 1993, were submitted in August and September 1994. Filing dates for future years may be adjusted. In addition, the FCC can be expected to modify the current schedule of fees to include PCS licensees.

## **VI. BACKBONE MICROWAVE AUTHORIZATION PROCEDURES AND OPERATIONAL REQUIREMENTS**

### **A. Uses**

As CMRS operators, PCS providers likely will use Part 21 common carrier microwave facilities in support of their systems. The point-to-point microwave facilities may be used to support PCS operations in a number of ways, including:

- Linking cell sites with the PCS switch;
- Linking cell sites with one another and with any intermediate nodes;
- Interconnecting PCS systems with one another; and
- Interconnecting the PCS system with the local exchange carrier or with a long distance carrier.

### **B. Application Procedures and Prior Coordination Procedures**

The basic steps associated with placing Part 21 point-to-point microwave facilities into operation are:

- Prior coordination of proposed frequency usage with existing licensees and applicants.
- Preparation, filing, and FCC processing of Form 494 application.
- Grant of conditional license by FCC.
- Construction of facilities and initiation of operations.

- Filing of Form 494-A to certify completion of construction.

These activities are described in greater detail below.

*Prior Coordination Procedure.* The process is initiated with an identification of the site coordinates for the antenna location. Because even relatively minor changes or corrections in the site data may require reinitiating the coordination process, it is important to begin with correct information. The frequency coordinator first undertakes a preliminary analysis of the interference environment. Then, the coordinator must notify all possible affected carriers and pre-existing applicants of the proposed frequency use, including certain required information about the nature of the operations. The notified carriers and pre-existing applicants have thirty days in which to respond and advise the frequency coordinator whether the proposal would present any interference problems. The frequency coordinator must resolve any cases of potential interference (which may require some changes on the part of the applicant's proposal) and prepare a report to be filed with the FCC as part of the Form 494 application.

*Application Procedures.* Applications for common carrier point-to-point microwave authorizations are submitted on FCC Form 494, which is used primarily to seek FCC authority to build and operate new microwave facilities, obtain FCC approval to make certain changes in existing licensed facilities, or to notify the FCC of certain permissive changes. The application seeks information about technical aspects of the proposal as well as the applicant's legal qualifications to hold a license.

Forms 494 are subject to the FCC's public notice and petition to deny procedures. Thus, after the application is filed with the FCC with the appropriate fee, it is placed on

public notice as accepted for filing. Interested parties then have 30 days in which to submit a petition to deny.

Once the FCC grants a conditional license, the licensee has 18 months in which to construct the authorized facilities. The licensee may initiate operations as soon as the facilities are constructed. After the facilities are constructed, the licensee must notify the FCC of that fact by filing FCC Form 494-A.

### **C. License Term**

The license term for point-to-point microwave facilities is a maximum of ten years. The FCC imposes a set date for the expiration of all point-to-point microwave licenses. New licenses issued in the next few years will all bear an expiration date of February 1, 2001.

### **D. Temporary Fixed Authority and Blanket Special Temporary Authority**

Companies may apply to the FCC for blanket special temporary authority ("BSTA") to construct and operate microwave facilities until applications for permanent authorization are acted upon by the FCC. The BSTA permits the construction and operation of microwave facilities as soon as the relevant FCC Form 494 has been placed on public notice. The following limitations apply:

- All operations must be in exact accordance with the application on file.
- The application may not request any waiver of the FCC rules.
- The facilities may not be within 35 miles of an international border or within a radio "quiet zone."

- The antenna structure must comply with an existing FAA final determination, if one is required.
- The operations must have been fully coordinated.
- The operations must have no significant impact on the environment.

Finally, the BSTA must be renewed every six months.

The FCC's rules also provide for the granting of special temporary authority, which the staff will do only in appropriate circumstances. The special temporary authority is intended for "immediate" or "temporary" use of facilities. The request is submitted as an informal application, at least ten days prior to the date of proposed construction or operation. The request must provide a description of the operations, the public interest benefits, and a description of why the temporary authority is necessary.

## **VII. CONCLUSION**

PCIA has produced this handbook to assist its members and others interested in applying for PCS authorizations and complying with applicable obligations upon the grant of a license. This area of regulation, however, is still in a considerable state of flux as the FCC continues to refine the applicable regulatory policies. While opportunities are plentiful in the PCS arena, potential applicants must be sure they have a full understanding of applicable requirements.

## **APPENDIX A**

### **Summary of FCC Forms and Fees**

At the present time, only three forms are prescribed for use under Part 24 of the Commission's Rules: the "short form" FCC Form 175; the "long form" FCC Form 600; and the FCC Form 159 fee remittance form:

- The FCC Form 175 is filed by applicants seeking to participate in auctions for PCS spectrum. The filing location and specific features for the FCC Form 175 may vary with each auction. Applicants should obtain a bidder information packet from the FCC prior to each auction to ensure that they are apprised of the latest information regarding the FCC Form 175. The FCC has indicated that microfiche copies of the form are required, regardless of the length of the filing.
- The FCC Form 600 is filed by auction winners to comply with statutory requirements to obtain a PCS license. The FCC has waived some of the requirements in the FCC Form 600 for auction winners (see attached public notice). Applicants should be aware, however, that the FCC Form 600 is still relatively new and may undergo further modifications.
- The FCC Form 159 is used for all payments made to the Commission, including regulatory fee payments under Section 1.1154 of the Commission's Rules.

Copies of the current versions of each form are attached for informational purposes.

The FCC has not yet prescribed forms or fees for transfers of control or assignment of PCS systems. Licensees seeking to transfer control of or assign PCS systems should contact the FCC's Wireless Telecommunications Bureau to determine appropriate filing procedures and fees. Current copies of FCC forms can be obtained by calling the FCC Forms Distribution hotline (202) 632-7000.

Federal Communications Commission  
Washington, DC 20554

**Application to Participate in an FCC Auction**  
(Read Instructions on Back Before Completing)

Special Use	
FCC Use Only	

OMB Approval 3080-0600  
Expires 4/30/97  
Estimate Average Burden  
Per Response: 30 Minutes

1. Applicant			8. Applicant Classification: <input type="checkbox"/> Individual <input type="checkbox"/> Partnership <input type="checkbox"/> Trust <input type="checkbox"/> Corporation  <input type="checkbox"/> Other _____	
2. Mail Address (No P.O. Boxes)				
3. City	4. State	5. Zip Code	9. Preference Type: <input type="checkbox"/> Rural telephone company <input type="checkbox"/> Minority owned small business <input type="checkbox"/> Woman owned small business <input type="checkbox"/> Small Business <input type="checkbox"/> None of the above	
6. Auction Number	7. FCC Account Number			
			10. Preference Claimed: <input type="checkbox"/> Yes <input type="checkbox"/> No	

11. **Markets and Frequency Blocks for which you want to bid.** If more than 5 markets, use supplemental form (FCC 175-S).

	Market No.	Frequency Block No.										
		1	2	3	4	5	6	7	8	9	10	11
(a)												
(b)												
(c)												
(d)												
(e)												

☐ Check here if supplemental forms are attached. Indicate number of supplemental forms attached: \_\_\_\_\_

12. **Person(s) authorized to make or withdraw a bid (Typed/Printed Name)**

(a)	(b)	(c)
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**Certification:** I certify the following:

- (1) that the applicant is legally, technically, financially and otherwise qualified pursuant to 308(b) of the Communications Act and the Commission's Rules and is in compliance with the foreign ownership provisions contained in Section 310 of the Communications Act.
- (2) that the applicant is the real party in interest in this application and that there are no agreements or understandings other than those specified in this application (see instructions for certification), which provide that someone other than the applicant shall have an interest in the license.
- (3) that the applicant is aware that, if upon Commission inspection, this application is shown to be defective, the application may be dismissed without further consideration, and certain fees forfeited. Other penalties may also apply.
- (4) that the applicant has not entered into and will not enter into any explicit or implicit agreements or understandings of any kind with parties not identified in this application regarding the amount to be bid, bidding strategies or the particular license on which the applicant or other parties will or will not bid.
- (5) that the applicant, or any party to this application, is not subject to a denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988.
- (6) that, if a preference(s) is claimed in block 10, the applicant is eligible to receive a preference(s) under Part I of the Commission's Rules.

I declare, under penalties of perjury, that I am an authorized representative of the above-named applicant for the license(s) specified above, that I have read the instructions and the foregoing certification and all matters and things stated in this application and attachments, including exhibits, are true and correct.

Typed/Printed Name of Person Certifying	Title of Person Certifying	Date
Signature of Person Certifying	Contact Person	Telephone No.

## Instructions

**Item 1. Applicant Name:** Enter the legal name of the person or entity applying to participate in an auction. If other than an individual, insert the exact name of the entity as it appears on the legal document(s) establishing the entity such as the Articles of Incorporation.

[NOTE: Applicants who have entered into an arrangement(s) of any kind relating to the license(s) specified in this application must provide additional information. See certification instructions below.]

**Item 2. Applicant Mailing Address:** Enter the street address to which the entity wants future correspondence relating to this application to be mailed. Indicate street numbers or rural route numbers as appropriate.

**Item 3. City:** Enter the city name for the applicant mailing address.

**Item 4. State:** Enter the two-letter state abbreviation for the applicant address.

**Item 5. ZIP Code:** Enter the ZIP Code for the applicant address.

**Item 6. Auction Number:** Enter the appropriate auction number. This number will be supplied by the Commission in the Public Notice announcing the auction.

**Item 7. FCC Account No.:** Enter your personal identification number. This number must consist of ten digits. You have two options to create this FCC Account Number. Option 1-you may use your taxpayer identification number (TIN) with a prefix of "0", i.e., 0123456789. Option 2-you may use your ten-digit telephone number (i.e., 5552345678). You should use this same number when submitting additional information/material regarding this application, including any required fees submitted to the Commission on FCC 159, FCC Remittance Advice, (i.e., use the same number for this form and the FCC Account Number on FCC 159).

**Item 8. Applicant Classification:** Place an [X] in the appropriate box preceding the type of entity to indicate the type of legal entity applying. If an [X] is placed in the "Other" box indicate the type of entity applying in the space provided (e.g., governmental entity, association, etc.). Limited liability companies should check the "Partnership" box.

**Item 9. Applicant Type:** Place an [X] in the appropriate box or boxes preceding the appropriate applicant type. This information will be used for purposes of determining the applicant's eligibility for any preferences available for designated entities. See Part 1 of the Commission's Rules for definitions of the different types of designated entities.

**Item 10. Preference Claimed:** Place an [X] in the "Yes" box if you are claiming a preference(s) available to designated entities. If you are not claiming a preference(s) available to designated entities, place an [X] in the "No" box. In order to be eligible for a preference(s) you must have checked one or more of the boxes in Item 9 other than the "None of the above" box, and a preference(s) must be available for the license(s) for which you are applying.

**Item 11. Markets/Frequency Blocks:** Enter the code for the market(s) on which you want to bid in the column under Market No. The codes will be provided by the Commission in a Public Notice. Use a separate line (a-e) for each different market. If you plan to bid on more than five markets place an [X] in the box below the table to indicate there are supplementary forms attached. You must use Supplemental Form, FCC 175-S. After each market list the code for the frequency block(s) or channel (s) on which you want to bid. These codes will be provided by the Commission in a Public Notice. For example, if you wanted to bid on two frequency blocks in market (a) and one block in market (b) you would enter the codes for those two blocks in columns 1 and 2 on line (a) and leave the remaining columns on that line blank. On line (b) you would enter in column 1 the code for the block you wanted in market (b) and leave the remaining columns on the line blank.

**Item 12. Authorized Representatives:** Type or print the name(s) of the person(s) you wish to designate as an authorized representative(s). Only authorized representatives will be allowed to make or withdraw bids at an auction. You may list a maximum of three (3) authorized representatives.

**Certification:** Read the certification. Enter the typed/printed name of the individual authorized to sign the application, his/her title, date signed, authorized individual's signature, the name of a person familiar with the application (contact person) and the phone number (including area code) of the contact person. See Part 1, Subpart Q of the Commission's Rules. All applications must bear an original signature of a person authorized to sign on behalf of the applicant. List in the space provided below or in an exhibit the name, citizenship and address of all partners, if the applicant is a partnership; of a responsible officer or director, if the applicant is a corporation; of the trustee, if the applicant is a trust or, if the applicant is none of the foregoing, list the name and address of a principal or other responsible person. See Part 1, Subpart Q of the Commission's Rules.

Also list in the space provided below or in an exhibit all parties with whom the applicant has entered into an agreement(s), of any kind, relating to the licenses being auctioned including such agreements(s) relating to the post auction market structure. See Part 1, Subpart Q of the Commission's Rules.

**NOTE:** The Commission's Public Notice announcing the auction for the licenses on which you are interested in bidding contains information essential to completing this form correctly. Forms which are completed incorrectly may be dismissed without an opportunity for resubmission.

Use this space for listing additional information required by the Certification. [If additional space is needed attach a separate sheet(s).]

The solicitation of personal information requested in this form is authorized by the Communications Act of 1934, as amended. The Commission will use the information to determine whether grant of this application is in the public interest. In reaching that determination, or for law enforcement purposes, it may become necessary to refer personal information contained in this form to another government agency. In addition, all information provided in this form will be available for public inspection. If information requested on this form is not provided, processing may be delayed or the application may be returned without action pursuant to the Commission's rules. Your response is required to obtain the requested authority.

Public reporting burden for this information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data needed, gathering and maintaining the data needed, and completing and reviewing the collection. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Federal Communications Commission, Records Management Division, Washington, D.C. 20554, and to the Office of Management and Budget, Paperwork Reduction Project (3060-0600), Washington, D.C. 20503.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1975, 5 U.S.C. 522a(e)(3) AND THE PAPERWORK REDUCTION ACT OF 1980, 96-411, DECEMBER 11, 1980, 47 U.S.C. 3507



Application to Participate in an FCC Auction  
Supplemental Form

(This form is to be used in conjunction with FCC 175)

Applicant	Auction No.	FCC Account No.	Page ____ OF ____
Street Address/City (No P.O. Boxes)		State	ZIP Code

	Market No.	Frequency Block No.										
		1	2	3	4	5	6	7	8	9	10	11
(f)												
(g)												
(h)												
(i)												
(j)												
(k)												
(l)												
(m)												
(n)												
(o)												
(p)												
(q)												
(r)												
(s)												
(t)												
(u)												
(v)												
(w)												
(x)												
(y)												

The solicitation of personal information requested in this form is authorized by the Communications Act of 1934, as amended. The Commission will use the information to determine whether grant of this application is in the public interest. In reaching that determination, or for law enforcement purposes, it may become necessary to refer personal information contained in this form to another government agency. In addition, all information provided in this form will be available for public inspection. If information requested on this form is not provided, processing may be delayed or the application may be returned without action pursuant to the Commission's rules. Your response is required to obtain the requested authority.

Public reporting burden for this information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Federal Communications Commission, Records Management Division, Washington, D.C. 20554, and to the Office of Management and Budget, Paperwork Reduction Project (3060-0600), Washington, D.C. 20503.

**Application for Mobile Radio Service Authorization  
or Rural Radiotelephone Service Authorization**

Approved by OMB  
3080-0023  
Expires 10/31/97  
Est. Avg. Burden  
Hours Per Response  
4 hours

**OVERVIEW**

**Purpose of Form**

Form FCC 600 is used to apply or to amend a pending application for an authorization to operate one or more radio stations in any of the land mobile radio services established by the FCC (except for the General Mobile Radio Service) and in the Rural Radiotelephone Service. The purpose of this form is to collect data and other information pertaining to the proposed radio stations. This data is used by the FCC to determine whether the public interest would be served by a grant of the requested authorization. Form FCC 600 replaces Form FCC 401 for all purposes and Form FCC 574 for most purposes.

**Introduction**

Form FCC 600 is a multi-part form comprising a main form and several optional schedules. Each application or amendment must contain one and only one main form (pages 1 and 2), but may contain as few or as many of the optional schedules as necessary. Some of the schedules are also used as attachments to Form FCC 489.

**The Main Form**

The purpose of the main form is to obtain information sufficient to identify the filer, establish the filer's basic eligibility and qualifications, to classify the filing, and to determine the nature of the proposed service. Space is also provided for filing fee information. The main form also contains the required certification and signature block. The main form is required for every application or amendment filed on Form FCC 600.

**The Schedules**

The purposes of the schedules are as follows:

**SCHEDULE A**

One Schedule A is required for each application or amendment in the radio services governed by Part 22 or Part 24 of FCC rules. These services are the Personal Communications Service, the Cellular Radiotelephone Service, the Paging and Radiotelephone Service, the Rural Radiotelephone Service, the Offshore Radiotelephone Service and the Air-ground Radiotelephone Service. Schedule A indicates the purpose of the filing. It is the only schedule needed for initial systems where no site specific data is being submitted, and for requests for extension of time to construct facilities. Schedule A must not be filed with Schedules D or E.

**SCHEDULE B**

Schedule B is used when site-specific data is required for applications, amendments or notifications involving individual channel assignments, in the radio services for which Schedule A is required. At least one Schedule B must be filed for each location for which data is required. Schedule B provides location data, information concerning proximity to market boundaries, technical information concerning the antennas and transmitters at the particular location, radial power and antenna height data, and information about points of communication for transmitters at the particular location. Each Schedule B can hold data for multiple antennas at one location by using additional copies of page 2. For each antenna, Schedule B can hold data for up to four transmitters and/or channels. Additional Schedule Bs may be filed for the same location or antenna if necessary.

**SCHEDULE C**

Schedule C is used when site-specific data is required for applications, amendments or notifications in the radio services for which Schedule A is required and for which spectrum is assigned in channel blocks. One Schedule C must be filed for each location for which data is required. Schedule C provides location data, technical parameters of the facility at the particular location, radial power and antenna height data.

**SCHEDULE D**

Schedule D is required for applications and amendments in all radio services for which Form FCC 600 may be used, except those for which Schedule A is required. It provides additional administrative data for stations in these services.

**SCHEDULE E**

Schedule E is required for applications and amendments in all radio services for which Form FCC 600 may be used, except those for which Schedule A is required. It provides station location data for stations in these services.

**SCHEDULE F**

Schedule F is required when permanent location data is submitted on Schedule B, C or E. However, in some services (e.g. PCS), applicants may need to obtain antenna clearance independent of the system authorization by filing Form FCC 854. See the pertinent part(s) of the FCC rules.

**SCHEDULE G**

Schedule G is required for applications and amendments in all radio services for which Form FCC 600 may be used, except those for which Schedule A is required. It provides technical data for stations in these services. The reverse side of Schedule G provides for additional frequencies. Additional Schedule Gs may be filed if necessary.

**SCHEDULE H**

Schedule H is required for applications and amendments in the Remote Pickup Broadcast Auxiliary Radio Service for permanent location stations and for land mobile stations operating on frequencies lower than 27.5 MHz. Failure to include this schedule when required will result in the return of the application without further action. Land mobile stations located near international borders that seek protection from interference should complete Schedule H.

**Schedules Required** (For filings other than Part 22 and Part 24)

If the application to be submitted includes fixed or permanent location stations (A - F), complete the Main Form, Schedule D, Schedule E, Schedule F and Schedule G. Schedule H must also be completed for fixed location stations proposed in the Remote Pickup Broadcast Auxiliary Radio Service. Schedule H must also be completed for all stations proposing to operate on frequencies below 27.5 MHz.

If the application to be submitted includes only control stations meeting the 20 foot criteria, mobile, temporary or itinerant locations (G - Z), complete Form 600 Main Form, Schedule D, Schedule E and Schedule G.



### For Assistance

For assistance with Form FCC 600 applications for radio services regulated under Part 22 or Part 24, contact the mobile licensing division at the FCC, Washington, D.C. 20554, (202) 418-1350. For assistance with Form FCC 600 applications for other services, contact Consumer Assistance Branch, Federal Communications Commission, Gettysburg, PA 17325-7245, (800) 322-1117 or (717) 337-1212.

### Applicable Rules and Regulations

Before the application is prepared, applicant should review the relevant part of the FCC rules in Title 47 of the Code of Federal Regulations. Copies of Title 47 may be purchased from the Superintendent of Documents, Government Printing Office, Washington, DC 20402. FCC rules generally require various exhibits to be filed with an application in addition to the information requested in the application form. Applicants should make every effort to file complete applications. Failure to do so can result in a dismissal or return of the application or a delay in processing the application.

### Frequency Coordination

Applications for station authorizations which require frequency coordination in accordance with applicable FCC rules and any correspondence relating thereto, must initially be submitted to the certified frequency coordinator for the radio service or frequency group involved. For frequency coordination fee information, contact the appropriate frequency coordinator for your radio service.

After the completion of frequency coordination, these applications shall be forwarded by the coordinator to the correct address. All other applications shall be filed by the applicant at the correct address listed on the most current Public Notice. Applications should be filed at least sixty (60) days prior to the date upon which the radio facilities are required to be in operation.

### Certified Coordinators (All services except Part 22 and Part 24)

See the most current Public Notice for correct addresses or contact Consumer Assistance Branch, Federal Communications Commission, Gettysburg, PA 17325-7245 (717) 337-1212 or (800) 322-1117.

### Quiet Zone

The quiet zone is a restricted area of operation within Virginia, West Virginia, and Garrett County, Maryland in the vicinity of the National Radio Astronomy Observatory, Green Bank, Pocahontas County, West Virginia. Permanent Stations in this area should be checked for compliance with applicable Commission rules. If the permanent station, including control stations meeting the 20 foot criteria, is bounded by 39° 15' N on the north, 78° 30' W on the east, 37° 30' N on the south, and 80° 30' W on the west, the application must be accompanied by a copy of the clearance obtained from the National Radio Astronomy Observatory. The request for clearance must be sent to: National Radio Astronomy Observatory, P.O. Box 2, Green Bank, West Virginia 24944.

## FILING INSTRUCTIONS

### Paper Copies

The number of paper copies of this application required to be filed varies depending on the radio service. Refer to the pertinent part of the FCC rules for specific instructions.

### Packages

The Main Form and the applicable schedules should be submitted as one package, stapled in the upper left corner. The Main Form should be first with the following schedules in alphabetical order.

### Microfiche Copies (For Part 22 and Part 24 filings only)

Applications on Form FCC 600 for authority to operate facilities in the radio services governed by Part 22 or Part 24 of the FCC rules must be filed in microfiche form. See the pertinent part of the FCC rules to determine how this requirement applies. If microfiche is required, submit three microfiche (one original and two copies). Each microfiche must be a copy of the signed original. Each microfiche copy must be a 148mm X 105mm negative (clear transparent characters appearing on an opaque background) at 24X to 27X reduction for microfiche or microfiche jackets. One of the microfiche sets must be a silver halide camera master or a copy made on silver halide film such as Kodak Direct Duplicating Film. The microfiche must be placed in paper microfiche envelopes and submitted in a 5" x 7.5" envelope. Row "A" (the first row for page images) of the first microfiche must be left blank.

### Processing Fee

A processing fee may be required with this form. To determine the required fee amount, refer to Subpart G of Part 1 of the FCC's rules (47 CFR Part 1, Subpart G) or the current fee filing guide for the radio service involved. For assistance with fees applicable in the radio services governed by Part 22 and Part 24 of the FCC rules, call (202) 418-0220. For assistance with fees in other radio services, contact the Consumer Assistance Branch, Federal Communications Commission, Gettysburg, PA 17325-7245, (800) 322-1117 or (717) 337-1212.

### Incorporation by Reference (Part 22 and Part 24 filings only)

You may incorporate by reference documents, exhibits, or other lengthy showings already on file with the FCC only if: the information previously filed is more than one 8½" by 11" page in length, and all information therein is current and accurate in all significant respects; the reference states specifically where the previously filed information can be found (i.e., station call sign and application file number, title of proceeding, docket number and legal citations), including exhibit and page references. Use the relevant item number followed by "A". Items that call for numbers, or which can be answered "Y" or "N" by or other short answers must be answered directly without reference to a previous filing.

## GENERAL INSTRUCTIONS

### Current Information

Information filed with the FCC must be kept current. The applicant should notify the FCC regarding any material change in the facts as they appear in the application. See 47 CFR 1.65.

### Waiver Requests

Requests for waivers must contain as an exhibit a statement of reasons sufficient to justify a waiver. A separate request with the required showing must be made for each rule waiver desired, identifying the

specific rule or policy for which the waiver is requested. For waiver requests other than for rules in Part 22 and Part 24, there may be a fee requirement. Refer to the appropriate FCC fee filing guide.

### Exhibits (For Part 22 and Part 24 filings only)

Each document required to be filed as an exhibit should be current as of the date of filing. Each page of each exhibit must be identified with the number or letter of the exhibit, the number of the page of the exhibit and the total number of pages of the exhibit. If material is to be

incorporated by reference. see the instruction on incorporation by reference. If interference studies are required by rule, attach these as an exhibit. If this application is a request for an extension of time to complete construction, then attach as an exhibit a statement explaining how failure to complete construction was beyond the applicant's control.

#### **English to Metric Conversions**

The following English to Metric equivalents should be used to convert heights and distances, where necessary:

1 foot = 0.3048 meters  
1 mile = 1.6093 kilometers

#### **Paperwork Reduction and Privacy Act Notice**

The solicitation of personal information requested in this form is authorized by the Communications Act of 1934, as amended. The FCC will use the information provided in this form to determine whether grant of this application is in the public interest. In reaching that determination, or for law enforcement purposes, it may become necessary to refer personal information contained in this form to another government agency.

In addition, all information provided in this form will be available for public inspection. If information requested on the form is not provided, processing of the application may be delayed or the application may be returned without action pursuant to FCC rules. Your response is required to obtain the requested authority.

Public reporting burden for this collection is estimated to be 0.25 to 7 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Federal Communications Commission, Records Management Branch, Washington, D.C. 20554.

The foregoing Notice is required by the Privacy Act of 1974, P.L. 93-597, December 31, 1974, 5 U.S.C. 552a(e)(3), and the Paperwork Reduction Act of 1980, P.L. 96-511, Section 3504(c)(3).

### **SPECIFIC INSTRUCTIONS FOR THE MAIN FORM**

#### **APPLICANT**

**Items 1-8** These items identify the applicant. If an authorization is granted, the information provided will become the licensee's name, address and telephone numbers of record, and the authorization will be sent to this address. Applicants must provide a current and valid mailing address in the United States, and this address must be that of the applicant, not the address of the radio equipment supplier, service shop or of any other third party. Failure to respond to FCC correspondence sent to the address of record may result in dismissal of an application, liability for forfeiture or revocation of an authorization.

**Items 9-16** These items identify the contact representative (usually the headquarters office of a large applicant, the law firm or other representative of the applicant, or the person or company that prepared or submitted the application on behalf of the applicant). In the event there is a question concerning the application, the FCC will attempt to communicate with the contact representative first.

#### **CLASSIFICATION OF FILING**

**Item 17** Indicates whether the filing is intended as an application or an amendment to a previously filed application. If "N" is indicated, the FCC will assign a new file number to the filing. If "A" is indicated, the FCC will attempt to associate the filing with a pending application described by Item 21.

**Item 18** Indicates whether the applicant believes that the FCC should classify the filing, for purposes of compliance with Section 309 of the Communications Act of 1934, as amended, as an application for a minor change to an existing station, if the filing is an application, or as a minor amendment, if the filing is an amendment. Refer, if necessary, to the FCC rule for the particular radio service involved (e.g. § 22.123 applies for the Part 22 radio services) for guidance as to which types of filings are classified as minor. For private radio services to which Section 309 does not apply, this item should be marked "D". For commercial mobile services, which are subject to Section 309, this item must be marked either "Y" or "N". If this item is marked "Y", the FCC will not list the filing in a Public Notice unless during processing the FCC subsequently determines that the filing should not be classified as minor. If this item is marked "N" and the filing appears to be acceptable for filing, the FCC will list the filing in a Public Notice as acceptable for filing prior to actually classifying it during processing.

**Item 19** This item indicates whether the filing proposes an initial facility, modification of an existing facility or renewal of an existing station, for the purposes of classification in regard to eligibility for inclusion in competitive bidding procedures. In the event that the filing is or becomes mutually exclusive with one or more other filings, the indication given here assists the FCC in determining what method will be used to select which filing(s) to grant. This item does not have to be completed for minor applications or amendments.

**Item 20** If the filing is related to an existing station, this item must be completed. The information requested in this item (call sign) identifies the existing station to which the filing is relevant.

**Item 21** If the filing is an amendment to a previously-filed application, this item must be completed. The information requested in this item identifies the previously-filed application.

#### **NATURE OF SERVICE**

**Item 22** This item indicates whether the applicant is applying for authorization to provide or use commercial mobile radio service, private mobile service, both commercial and private mobile service, or fixed service (such as Rural Radiotelephone Service, including BETRS, but not including fixed stations that are incidental to provision of mobile service). If the answer is "both", attach as an exhibit a description of the proposed service that explains why the applicant believes that a portion of the service to be provided should be classified as a private mobile service. Use 22A as the item number for the exhibit.

**Item 23-25** These items request information that the FCC could use to determine whether a proposed service is a commercial mobile radio service or a private radio service under Section 332 of the Communications Act of 1934, as amended. Item 23 must be answered "P" if the proposed service is to be made available to the public or to such classes of eligible users as to be effectively available to a substantial portion of the public, "E" if the service is to be made available to eligible users other than the applicant, but not constituting a substantial portion of the public, or "I" if the service will be available only to the applicant and its employees. Item 24 must be marked "P" if the service is to be provided for profit, i.e. with the intent of receiving compensation or monetary gain. Otherwise, Item 24 must be marked "N". Item 25 must be marked "Y" if the applicant proposes to provide interconnected service as defined in § 20.3 of the FCC rules. Otherwise, Item 25 must be marked "N".

**Item 26** This item requests a two-letter code designating the FCC radio service, or radio service sub-category, in which the applicant requests authorization and to which any requested channels are allocated. The codes are as follows:

Personal Communications Service (Part 24)	
Broadband	CW
Narrowband	CN
Public Mobile Services (Part 22)	
Cellular Radiotelephone Service	CL
Paging and Radiotelephone Service	CD
Air-ground Radiotelephone Service	CG
Offshore Radiotelephone Service	CO
Rural Radiotelephone Service	CR
Specialized Mobile Radio (Part 90)	
806-821/851-886 MHz, conventional	GX
806-821/851-886 MHz, trunked	YX
896-901/935-940 MHz, conventional	GR
896-901/935-940 MHz, trunked	YS
220 MHz Systems (Part 90)	
Nationwide Non-Commercial 10 Channel	NL
Nationwide Non-Commercial 5 Channel	NS
Nationwide Commercial 5 Channel	NC
Non-Nationwide 5 Channel Trunked	QT
Non-Nationwide Data	QD
Non-Nationwide Public Safety / Mutual Aid	QM
Non-Nationwide Other	QO
Industrial (Part 90)	
Business Radio Service	
806-821/851-886 MHz, conventional	GB
806-821/851-886 MHz, trunked	YB
896-901/935-940 MHz, conventional	GU
896-901/935-940 MHz, trunked	YU
929-930 MHz paging systems	GS
other	IB
Industrial services, except Business Radio Service	
806-821/851-886 MHz, conventional	GO
806-821/851-886 MHz, trunked	YO
896-901/935-940 MHz, conventional	GI
896-901/935-940 MHz, trunked	YI
other	
Forest Products Radio Service	IF
Petroleum Radio Service	IP
Special Industrial Radio Service	IS
Telephone Maintenance Radio Service	IT
Film and Video Production Radio Service	IV
Power Radio Service	IW
Manufacturers Radio Service	IX
Relay Press Radio Service	IY
Land Transportation (Part 90)	
Land Transportation services	
806-821/851-886 MHz, conventional	GO
806-821/851-886 MHz, trunked	YO
896-901/935-940 MHz, conventional	GI
896-901/935-940 MHz, trunked	YI
other	
Automobile Emergency Radio Service	LA
Railroad Radio Service	LR
Taxicab Radio Service	LX
Interurban Passenger Radio Service	LI
Interurban Property Radio Service	LJ
Urban Passenger Radio Service	LU
Urban Property Radio Service	LV
Public Safety (Part 90)	
National Plan	
821-824/886-888 MHz, conventional	GF
821-824/886-888 MHz, trunked	YF
Public Safety services	
806-821/851-886 MHz, conventional	GP
806-821/851-886 MHz, trunked	YP
896-901/935-940 MHz, conventional	GA
896-901/935-940 MHz, trunked	YA
other	
Fire Radio Service	PF

Highway Maintenance Radio Service	PH
Local Government Radio Service	PL
Emergency Medical Radio Service	PM
Police Radio Service	PP
Forestry Conservation Radio Service	PO

Special Emergency (Part 90)	
Special Emergency Radio Service	PS

Mass Media (Part 74)	
Low Power Auxiliary Broadcast	LP
Remote Pickup Auxiliary Broadcast	RP

Other	
Radiolocation Radio Service (Part 90)	RS

**Item 27** This item requests a two-letter code indicating the type of operation proposed. This item must be completed for radio services governed by Part 22. It may be omitted for applications in all other services. The codes are as follows:

One-way paging	OP
Response paging	RP
Two-way mobile telephone	TT
Two-way mobile data	TD
Two-way mobile telephone, data & images	TB
Two-way mobile communications	TC
Dispatch	DP
Rural radiotelephone, conventional	RR
Rural radiotelephone, BETRS	RB
Air-ground radiotelephone	AR
Point-to-point	PP
Point-to-multipoint	PM
Other	NS

#### ENVIRONMENTAL POLICY

**Item 28** This item is required for compliance with the National Environmental Policy Act of 1969, as amended, 42 U.S.C. 4321-4335. See also Part 1, Subpart I of the FCC rules (47 CFR 1.1301-1.1319). This item must be answered, either "Y" or "N". Answer "Y" if a FCC grant of the proposed facility may have a significant environmental effect as defined in § 1.1307 of the FCC rules and attach an exhibit with the required environmental assessment. Use 28A as the item number for this attachment. Examples of facilities that may have a significant effect on the environment include:

- an antenna structure located in a residential area (as defined by applicable zoning laws) which will utilize high intensity aviation obstruction lighting
- a facility located in an officially designated wilderness area, wildlife preserve or floodplain
- a facility that affects a site significant in American history
- a facility, the construction of which involves extensive changes in surface features

#### ALIEN OWNERSHIP

**Items 29-33** These items request indications and information that enable the FCC to determine whether or not an applicant is eligible under Section 310 of the Communications Act of 1934, as amended, to hold a station license. Item 29 must be answered, either "Y" or "N". Items 30-33 must be answered on applications for authority to provide commercial mobile service, but may be omitted on other applications. The FCC can not grant an authorization to a foreign government or the representative of a foreign government. Therefore, if the true and correct answer to Item 29 is "Y", the applicant is not eligible for a license and the FCC will dismiss the application, if filed, without further consideration. Likewise, the FCC can not grant an authorization to provide commercial mobile radio service to any applicant for which the true and correct answer to Item 30, 31 or 32 is "Y". If the answer to Item 33 is "Y" and the application is for authorization to provide

commercial mobile radio service, attach an exhibit explaining the nature and extent of any foreign ownership or control. Use 33A as the item number for this exhibit.

#### **BASIC QUALIFICATIONS**

Items 34-38 These items request indications and information that enable the FCC to determine whether an applicant is disqualified from holding an FCC authorization because of misconduct. Items 34-36 must be answered "N" if there is no misconduct. Item 37 must be answered "N" if the applicant is not a party in any pending matter relevant to misconduct. Item 38 must be answered "Y" if the applicant is not subject to denial of federal benefits pursuant to the Anti-Drug Abuse Act of 1988 (21 U.S.C. § 862).

If the answer to items 34, 35, 36 or 37 is "Y" or if the answer to item 38 is "N", attach as an exhibit a statement explaining the circumstances and why the applicant believes that an FCC grant of the application would be in the public interest notwithstanding the actual or alleged misconduct. Use 34A, 35A, 36A, 37A or 38A as the item number(s) for such exhibits, respectively.

#### **CERTIFICATION**

Items 39-43 These items must be completed. To be acceptable for filing, applications and amendments must be signed in accordance with Part 1 of the FCC rules. The signer must be a person authorized to sign the application. Paper originals of applications must bear an original signature. Neither rubber-stamped nor photocopied signatures are acceptable.

### **SPECIFIC INSTRUCTIONS FOR SCHEDULE A**

#### **Administrative Information**

#### **PURPOSE OF FILING**

Item A1 This item states the purpose(s) for the filing. Enter one or more letters corresponding to the listed purposes. If a control point modification is the only purpose of the filing, answer item A1 "S" and file Schedule A as an attachment to Form FCC 489, rather than Form FCC 600. If none of the listed purposes correctly describe the reason for the filing, or if the filing requests a waiver of one or more FCC rules or an extension of time to construct facilities, attach as an exhibit a narrative description of the purpose, circumstances and/or waiver request including required justification. Use A1A as the item number for this exhibit.

#### **MARKET / CHANNEL BLOCK**

Item A2 This item must be answered only if the filing is for an authorization in one of the radio services that is licensed on a geographic licensing area or "market" basis (e.g. Cellular Radio Service). It identifies the market to which the filing pertains. The market designators are listed in FCC Public Notices or in the FCC Record. This item should not be answered for filings in radio services licensed on a station-by-station basis.

Item A3 This item must be answered only if the filing is for an authorization in one of the radio services for which spectrum is assigned in channel blocks. For filings in the Cellular Radio Service, the answer to this item is either "A" or "B". For filings in the Air-ground Radiotelephone Service (commercial aviation), the answer to this item is "C-" followed by a number between 1 and 29 (e.g. C-17). This item should not be answered for filings in radio services in which channels are individually assigned.

Item A4 This item must be answered only if the filing is for an authorization in one of the radio services that is licensed on a geographic licensing area or "market" basis and the market has been subdivided.

Item A5 This item must be answered only if the filing is for an authorization in one of the radio services that is licensed on a geographic licensing area or "market" basis (e.g. Cellular Radio Service). In addition to item A2, it identifies the market to which the filing pertains. The market names are listed in FCC Public Notices or in the FCC Record. This item should not be answered for filings in radio services licensed on a station by station basis.

#### **CONTROL POINTS**

Items A6-A9 These items provide the location(s) of the station or system control points, and the telephone number(s) where a person responsible for operation of the station or system could be reached, if necessary. These items must be answered only for new systems or stations and when a control point is to be added, deleted or modified. These items do not have to be answered for broadcast subcarrier paging (i.e. if the answer to item A1 is "O"). If a control point modification is the only purpose of the filing, answer item A1 "S" and file Schedule A as an attachment to Form FCC 489, rather than Form FCC 600. To move an existing control point or change a telephone number, delete the old information and add the new.

#### **FACILITIES NOT CONSTRUCTED**

Items A10-A12 These items must be completed only in connection with (1) filings that request an extension of time to construct specific facilities in services where locations are individually subject to a construction period requirement, and the rest of the station or system has been completed; (2) notifications, using Schedule A as an attachment, reporting that a system has been partially constructed. In some cases where more than one antenna or transmitter is authorized at a location, and some but not all of the facilities have been constructed, it may be necessary to further distinguish the unconstructed facilities by channel. If so, indicate the affected channels in an exhibit, using item number A10A.

### **SPECIFIC INSTRUCTIONS FOR SCHEDULE B**

#### **Technical Data - Individual Channel Assignment**

#### **LOCATION**

Item B1 This item indicates what action the filer wants the FCC to take in the database with regard to the location specified in items B2-B10. If the filing is for a new station or system or for a new location in an existing system or station (i.e. the location does not already exist on any channel in the authorized system or station or in a pending application for the same system or station), the answer to this item is "A". If the location is an existing location in the authorized system or station or a location proposed in a pending application for the same system or station, and the licensee has abandoned or intends to abandon the location completely, the answer to this item is "D". (Also

see the instruction for items B11-B14 below.) In all other cases, the answer to this item is "M". If the filer answers this item "A" and the FCC computer finds an exact match for the location within the system or station, the Schedule B will be processed as if this item had been answered "M". If the filer answers this item "M" and the FCC computer cannot find an exact match for the specified location within the system or station, the Schedule B will be processed as if this item had been answered "A". If the filer answers this item "D" and the FCC computer cannot find an exact match for the specified location within the system or station, the Schedule B will not be processed.

**Item B2** This item is the FCC assigned location number for an existing location, or for a new location, a letter (e.g. A, B, C etc). In either case, this item is used as the key to identify the location on Schedule F (if Schedule F is filed).

**Items B3-B6** These items identify the location by its address or, if there is no address, by a brief description of the location such as a distance and direction from known landmarks (e.g. "5 km south of Anytown, US").

**Items B7, B8, B9 and B10** These items are the geographic coordinates of the location. Items B7 and B8 are the North latitude and West longitude, respectively, with reference to the North American Datum of 1927. Items B7 and B8 are required. Items B9 and B10 are the North latitude and West longitude, respectively, with reference to the North American Datum of 1983. Items B9 and B10 are optional, but may assist processing of the Schedule B.

**Items B11-B14** These items key to location data in the data base that is to be replaced by the data in items B3-B10. The filer should complete these items only if (1) correcting geographical coordinates or (2) relocating *all* facilities at the location indicated by these items to the location specified in items B3-B10. The filer must *not* complete these items if the intent is to relocate some, *but not all*, of the facilities at a particular location. (In such a case, the filer must submit two Schedule Bs with the filing - one to delete the facilities at the previous location and another to add those facilities at the new location.)

#### SUPPLEMENTARY LOCATION INFORMATION

**Item B15** This item is optional and concerns proximity of the location to Canada. If the filer does not know whether the location is North of Line A or East of Line C, this item should be left blank. If the filer answers "A" or "C" (and this appears to be plausibly correct), the FCC will initiate applicable coordination procedures with the Government of Canada. In the event the filer needs to submit additional information regarding coordination of a channel assignment with the Government of Canada, this should be attached as an exhibit, using item number B15A.

**Item B16** This item is optional and concerns proximity of the location to Mexico. If the filer does not know whether the location within 200 kilometers (124 miles) of the U.S.-Mexico border, this item should be left blank. If the filer answers "Y" (and this appears to be plausibly correct), the FCC will initiate applicable coordination procedures with the Government of Mexico. In the event the filer needs to submit additional information regarding coordination of a channel assignment with the Government of Mexico, this should be attached as an exhibit, using item number B16A.

**Items B17-B19** These items must be completed only for filings in the narrowband Personal Communications Service (other than nationwide and response channel related filings).

#### ANTENNA

**Item B20** This item indicates what action the filer wants the FCC to take in the database with regard to the antenna specified in items B22-B28. If the filing is for a new antenna (i.e. the antenna does not already exist at this location for any channel in the authorized system or station or in a pending application for the same system or station), the answer to this item is "A". If the antenna is an existing antenna in the authorized system or station or an antenna proposed in a pending application for the same system or station, and the licensee has abandoned or intends to abandon the antenna completely, the answer to this item is "D". In all other cases, the answer to this item is "M". If the filer answers this item "A" and the FCC computer finds an exact match for the antenna within the system or station, this portion of the Schedule B will be processed as if this item had been answered "M". If the filer answers this item "M" and the FCC computer cannot find an exact match for the specified antenna within the system or station, this

portion of the Schedule B will be processed as if this item had been answered "A". If the filer answers this item "D" and the FCC computer cannot find an exact match for the specified antenna within the system or station, this portion of the Schedule B will not be processed.

**Item B21** This item indicates whether the antenna in question is already authorized or whether it is only proposed in a pending application. The filer must answer this item.

**Item B22** This item indicates the FCC antenna number of the antenna. If a number has been printed on an authorization the applicant knows it, he or she should complete this item.

**Items B23-B28** This item describes the antenna by its type, manufacturer and model number, and must be completed for all filings except for those in the Air-ground Radiotelephone Service. Type means a generic description (e.g. collinear vertical, Yagi, panel array). Manufacturer is the name of the company that made the antenna, and model number is the designation that the manufacturer assigns to the antenna. If a polar plot of the antenna horizontal or vertical radiation pattern is required by the pertinent FCC rules, attach as an exhibit such plot (or a table of the polar data for 360° in 5° increments in the format: bearing, gain<sub>dB</sub>), using item number B25A.

**Items B26 & B28** These items report the actual and effective height at which the antenna is mounted. These items must be completed for all filings except for those in the Air-ground Radiotelephone Service.

**Item B27** This item provides the beamwidth of the main major lobe of a directional antenna used with a fixed station. This item need not be completed for any stations other than fixed stations.

#### TRANSMITTERS FOR ANTENNA

**Item B29** This item is the FCC transmitter number for the transmitter.

**Item B30** This item indicates what action the filer wants the FCC to take in the database with regard to as many as four transmitters (or channels) associated with the (same) antenna. If the filing is for a new transmitter or channel (i.e. a transmitter or channel that does not already exist for this antenna at this location in the system or station or in a pending application for the same system or station), the answer to this item is "A". If the transmitter or channel already exists for this antenna at this location in the authorized system or station or for an antenna at this location proposed in a pending application for the same system or station, and the licensee has abandoned or intends to abandon the transmitter or channel completely, the answer to this item is "D". In all other cases, the answer to this item is "M". If the filer answers this item "A" and the FCC computer finds an exact match for the transmitter or channel for this antenna at this location within the system or station, this portion of the Schedule B will be processed as if this item had been answered "M". If the filer answers this item "M" and the FCC computer cannot find an exact match for the specified transmitter or channel for this antenna at this location within the system or station, this portion of the Schedule B will not be processed.

**Item B31** This item specifies the center frequencies of the channels on which the transmitters operate are proposed to operate. The pertinent channel(s) must be specified for each transmitter.

**Item B32** This item requests a four letter code that identifies the transmitter class. The four letter code consists of two letters that conform to the international station classification nomenclature used by the International Frequency Registration Board, followed by two letters that further classify the transmitter by usage. The codes are as follows:

Base	FBBS
Standby	FBST
Mobile subscriber	MLSB
Dispatch	FXDI
Auxiliary test	FXTS
Control	FXCT
Repeater	FXRP
Fixed relay	FXRX
Ground	FBGS
Air-ground signaling	FBSI
Inter-office	FXIO
Fixed subscriber	FXSB
Central office	FXCO

**Item B33** This item should be completed only if the filing requests authority to use an emission type that is not already authorized in the FCC rules for use by all stations in the pertinent radio service.

**Item B34** This item reports the maximum effective radiated power (ERP) in any direction on the specified channel. This item must be completed for all transmitter filings. The answer must be stated in Watts.

## SPECIFIC INSTRUCTIONS FOR SCHEDULE C

### Technical Data - Block Channel Assignment

#### LOCATION

**Item C1** This item indicates what action the filer wants the FCC to take in the database with regard to the location specified in items C3-C10. If the filing is for a new station or system or for a new location in an existing system or station (i.e. the location does not already exist in the authorized system or station or in a pending application for the same system or station), the answer to this item is "A". If the location is an existing location in the authorized system or station or a location proposed in a pending application for the same system or station, and the licensee has abandoned or intends to abandon the location completely, the answer to this item is "D". (Also see the instruction for items C11-C14 below.) In all other cases, the answer to this item is "M". If the filer answers this item "A" and the FCC computer finds an exact match for the location within the system or station, the Schedule C will be processed as if this item had been answered "M". If the filer answers this item "M" and the FCC computer cannot find an exact match for the specified location within the system or station, the Schedule C will be processed as if this item had been answered "A". If the filer answers this item "D" and the FCC computer cannot find an exact match for the specified location within the system or station, the Schedule C will not be processed.

**Item C2** This item is the FCC assigned location number for an existing location, or for a new location, a letter (e.g. A, B, C etc). In either case, this item is used as the key to identify the location on Schedule F (if Schedule F is filed).

**Items C3-C6** These items identify the location by its address or, if there is no address, by a brief description of the location such as a distance and direction from known landmarks (e.g. "5 km south of Anytown, US").

**Items C7, C8, C9 and C10** These items are the geographic coordinates of the location. Items C7 and C8 are the North latitude and West longitude, respectively, with reference to the North American Datum of 1927. Items C7 and C8 are required. Items C9 and C10 are the North latitude and West longitude, respectively, with reference to the North American Datum of 1983. Items C11 and C12 are optional, but may assist processing of the Schedule C.

#### RADIAL DATA FOR ANTENNA

**Item B35** This item reports the height of the antenna center of radiation above the average terrain elevation (AAT) along each of the eight cardinal radials. This item must be completed for all antenna filings except for those in the Air-ground Radiotelephone Service.

**Items B36-B39** These items report the effective radiated power (ERP) for each transmitter or channel in each of the eight cardinal radial directions. These items must be completed for all transmitter filings except for those in the Air-ground Radiotelephone Service.

#### POINTS OF COMMUNICATION FOR ANTENNA

**Items B40-B45** These items describe fixed points of communication for (1) stations in the Rural Radiotelephone Service serving individually licensed subscribers, and (2) point-to-multipoint transmitters operating on channels that are assigned only to stations that communicate with four or more points. These items should not be completed by filers for any other purpose.

**Items C11-C14** These items key to location data that is to be replaced by the data in items C3-C10 in the data base. The filer should complete these items only if (1) correcting geographical coordinates or (2) relocating *all* facilities at the location indicated by these items to the location specified in items C3-C10. The filer must *not* complete these items if the intent is to relocate some, but *not all*, of the facilities at a particular location. (In such a case, the filer must submit two Schedule Cs with the filing - one to delete the facilities at the previous location and another to add those facilities at the new location.)

#### TECHNICAL PARAMETERS

**Item C15, C16** These items report the actual and effective height at which the antenna is mounted. These items must be completed for all filings except for those in the Air-ground Radiotelephone Service.

**Item C17** This item reports the maximum effective radiated power (ERP) of the facility in any direction. This item must be completed for all transmitter filings. The answer must be stated in Watts.

#### RADIAL DATA

**Item C18** This item reports the height of the antenna center of radiation above the average terrain elevation (AAT) along each of the eight cardinal radials. This item must be completed for all Schedule C filings except for those in the Air-ground Radiotelephone Service.

**Item C19** This item reports the effective radiated power (ERP) in each of the eight cardinal radial directions. This item must be completed for all Schedule C filings except for those in the Air-ground Radiotelephone Service.

**Item C20** This item reports the calculated radial distance to the service area boundary (SAB) from the specified location. This item is required only for filings in the Cellular Radiotelephone Service.

**Item C21** This item reports the determined radial distance to the Cellular Geographic Service Area (CGSA) from the specified location. This item is required only for filings in the Cellular Radiotelephone Service.



## GENERAL INSTRUCTIONS FOR SCHEDULES D, E, F, G AND H

Location ("LOC") letters A through F carry through on Schedule E Items E2 - E8, Schedule F Items F1 - F13, Schedule G Items G1 - G8, and Schedule H Items H1 - H5. It is requested that the applicant begin by inserting the parameters of the principal base or mobile relay station on LOC line "A" (plus any other different class of station at that location), followed by control station, fixed relay stations, etc. When more than one class of station is proposed to be at a common location, use the same permanent location letter A through F and a separate horizontal line entry for each class of station, and furnish the information required by the schedules for each separate class of station. For example, if it is proposed to install a base station, a mobile relay station, and a fixed relay station at common location "A", the appropriate information must be entered on three (3) separate horizontal lines. The next separate permanent location would use letter "B", etc.

In the 470 - 512 MHz band, applicants for mobile units, itinerant stations and stations at temporary locations (under Part 90) must furnish the information requested in Schedule E Items E9 - E12 and Schedule G Items G1 - G6. In the 220 - 222 MHz and above 512 MHz, applicants for control stations with antenna heights meeting the 20 foot criteria and/or for mobile units, itinerant stations and stations for temporary locations must furnish the information requested in Schedule E Items E9 - E12 and Schedule G Items G1 - G6.

Below 470 MHz except 220 - 222 MHz, applicants for control stations with antenna heights meeting the 20 foot criteria, itinerant stations, stations at temporary locations, and mobile units must furnish the information requested in Schedule E Items E9 - E12 and Schedule G Items G1 - G5. Since LOC letters A through F are reserved for permanent location stations, entries for control stations meeting the 20 foot criteria (excluding 470 - 512 MHz) may be inserted on one line.

NOTE: Applicants for all control stations in the 470 - 512 MHz band (under Part 90) must use LOC letters A - F and furnish the information required by the schedules.

If your application is approved, a license will be mailed to you. This authorization permits you to commence operations. (Note: It is a violation of Federal Law to begin transmitting prior to obtaining an authorization.) If an application is incomplete or filled out incorrectly, it will be returned or dismissed along with the reasons for this action. Applications which are not in good order will take additional time to process. You are, therefore, urged to be very careful when completing the application. Each entry on the Form 600 must be complete in itself. Do NOT use entries such as "On File", "No Changes", "Does Not Apply", "Same as...", etc.

Applications for modification of existing station authorizations MUST include all current station information in addition to all items being modified. (See Schedule D Item D3).

## SPECIFIC INSTRUCTIONS FOR SCHEDULE D

### Administrative Data

Enter the Licensee Name, Radio Service and Call Sign or Station Location city and state.

#### PURPOSE OF FILING

Item D1 Enter the purpose of this filing in the brackets.

**N = New Station** - Place an N in the brackets to indicate that this is an application for a radio station not presently licensed in the service listed in Item 26 on page 1 of the Form 600 Main Form.

**M = Modification** - Place an M in the brackets to indicate a desired change in the conditions of a license(s) during the current authorized period. See applicable Commission rules. Use Item D3 to describe the change(s) desired. Complete the form in full as for a new station. (Note: Once a license(s) is modified, all previous copies of the license(s) are no longer valid regardless of the expiration date shown.)

**R = Renewal** - Place an R in the brackets to indicate that you wish to renew an existing authorization that has not expired.

**X = Reinstatement of Expired Authorization** - Place an X in the brackets to indicate reinstatement of an expired authorization. Complete the form in full as for a new station. Licenses that have been expired more than 30 days cannot be reinstated. In these cases, the former licensee should submit a completed application including required frequency coordination for a new license.

**A = Assignment of Authorization** - Place an A in the brackets to indicate the request for an assignment of the right, title, and interest to a station presently authorized to another person or entity. Prepare the application in your own name and complete it in the same manner as for a new station with all questions answered and include a detailed statement of your eligibility for Item D12. Include a letter from the assignor meeting the requirements of the Commission's rules. For your

convenience, FCC Form 1046, "Assignment of Authorization" may be obtained from any Commission office for this purpose.

NOTE: If the purpose of filing is Renewal, Reinstatement of Expired Authorization or Assignment of Authorization and a modification to the license is also required, use Item D3 to describe the changes.

Item D2 If your application is for a new station, leave Item D2 blank. If you are changing to system licensing, list the existing call signs assigned to the system and indicate which of your existing fixed call signs you would prefer to retain by listing that call sign first.

Item D3 If the application is intended to modify a current license(s), indicate the modification(s) proposed. Applications for modification of existing station authorizations must include all current station information in addition to all items being modified. (Note: Certain modifications may require new frequency coordination or notification to the FAA - See Part 17 of the FCC Rules and Part 77 of the FAA Rules).

#### ASSOCIATED CALL SIGNS

Item D4 List any call sign(s) which is part of the system and licensed separately.

#### POINT OF CONTACT

Items D5-D6 Enter the street address, city, state and voice telephone number (including the area code) of the contact point.

#### ASSOCIATED BROADCAST STATION

Items D7-D9 Complete these items for the Broadcast Auxiliary Radio Services only. Enter the parent station call sign, parent station city and parent station state.